

# Author Index to Volume 12

**A**

Aaberg, T. M., S60  
 Abrams, G. W., S75  
 Abundo, G. P., 254  
 Alfaro, D. V., S3, S33  
 Ambler, J. S., 359  
 Arpa, P., S40, S87

**B**

Badrinath, S. S., 251  
 Bartov, E., S23  
 Bernauer, W., 18  
 Berrocal, M., 134  
 Birch, D. G., 43  
 Biswas, J., 251  
 Blanks, J. C., S33  
 Bloome, M. A., 43  
 Blumenkranz, M. S., S64, S71, 299  
 Boldt, H. C., S75  
 Borodkin, M. J., 273  
 Bottoni, F., S40  
 Bouzas, E. A., 103  
 Brancato, R., 12, S80  
 Bressler, N. M., 351  
 Brod, R. D., 355  
 Brown, G. C., 367  
 Brucker, A. J., 187  
 Buettner, H., 315  
 Burton, T. C., 3

**C**

Camacho, H., S46  
 Camesasca, F. I., 12  
 Capone, A., Jr., S60  
 Cappellini, A., S80  
 Carniel, G., 245  
 Chan, C.-C., 331  
 Chang, S., 134, 299, 370  
 Clark, T. M., 118  
 Coats, M. L., 46  
 Constable, I. J., 141  
 Corcostegui, B., 237, S55  
 Cuypers, M. J. H., 141  
 Czank, M., S17

**D**

Daicker, B., 18  
 de la Cruz, Z., 35, 289  
 De Molfetta, V., S40  
 De Queiroz, J. M., Jr., S33  
 De Smet, M. D., 331  
 Dunlap, W., 261

**E**

Eckardt, C., S17  
 Eldridge, R., 103

**F**

Fenton, R. M., 331  
 Flower, R., 189  
 Folk, J. C., 90  
 Fong, A. C. O., 3  
 Freeman, W. R., 118  
 Friedman, S. M., 367  
 Funata, M., 289

**G**

García-Arumí, J., 237, S55  
 Garcia, C. A., 265  
 Gass, J. D. M., 242  
 Gazagne, C., S7  
 Gilbert, H. D., 232  
 Gleaton, M. S., 315  
 Goldbaum, M. H., 118  
 Green, W. R., 24, 35, 127, 147, 232, 254, 289  
 Gross, Jeffrey G., 341  
 Grossniklaus, H. E., 127  
 Güell, J. L., 237  
 Guyer, D. R., 191

**H**

Hageman, G. S., 346  
 Han, D. P., S75  
 Hartzler, M. K., S71  
 Heidenkummer, H.-P., 52, S11, S28  
 Heimann, K., S51, S90  
 Hirano, T., 59  
 Hogge, C., 24  
 Höing, C., S11  
 Horie, K., 59  
 Hovey, L. J., 305  
 Huang, S. S., 359

**I**

Iverson, D., S71

**J**

Jayakumar, A., 134  
 Joffe, L., 3  
 Johnson, R. N., 3, 21, 67  
 Joondeph, B. C., 270  
 Joondeph, H. C., 270  
 Jost, B., 224

**K**

Kaiser-Kupfer, M. I., 103  
 Kampik, A., 52, S11, S28  
 Karaçorlu, M., 261  
 Karaçorlu, S., 261  
 Kasner, L., 35  
 Kleiner, R., 172  
 Konen, W., S90  
 Kreissig, I., 224

**L**

Lambert, H. M., S60  
 Lewis, H., 299  
 Liggett, P. E., 248, S3, S33  
 Lim, J. I., 351  
 Lincoff, H., 364  
 Loeffler, K. U., 29  
 Long, J., S64  
 Lopez, P. F., 147, S60

**M**

Maberley, A. L., 3  
 Malecaze, F., S7  
 Mames, R. N., 367  
 Mansour, A. M., 24  
 Mathis, A., S7  
 McDonald, H. R., 3, 21, 67  
 McDonnell, J. M., 248  
 McDonnell, P. J., 248  
 McMullen, W. W., 265  
 Menchini, U., S80  
 Meyers, S. M., 359  
 Michels, R. G., 232  
 Mieler, W., S64  
 Mieler, W. F., S75  
 Mietz, H., 254  
 Mischi, M., 12  
 Movshovich, A., 364  
 Mulcahy, T., 270  
 Munier, F., 108  
 Murphy, S., S64  
 Murray, T. G., S75

**N**

Nadel, A. J., 3  
 Nagano, T., 59  
 Naveh, N., S23  
 Nicolai, U., S17  
 Nussenblatt, R. B., 331

**O**

Oberkircher, O. R., 355  
 Orlock, D. A., 191

**P**

Pagot, V., S7  
 Park, J., S3  
 Parry, D. M., 103  
 Pennarola, F., S23  
 Petrovski, B., 52  
 Peyman, G. A., 46, 261, 336  
 Piccolino, F. C., 96  
 Pierro, L., 12  
 Pince, K., S3  
 Pluda, J. M., 331  
 Poliner, L. S., 305  
 Protzko, E. E., 21  
 Pulido, J. S., 90

**R**

Rao, N. A., 251  
 Raymond, W. R., IV, 21  
 Rivers, M. B., 90  
 Rodriguez, A., S46  
 Rose, D., 224  
 Runyan, T., S3  
 Russell, S. R., 346  
 Ryan, S. J., S3

**S**

Sabol, L. J., 355  
 Sasoh, M., 113  
 Savion, N., S23  
 Schatz, H., 3, 21, 67  
 Schmidt, D., S17  
 Schulman, J. A., 336  
 Secchi, A. G., 245  
 Shields, C. L., 355  
 Shields, J. A., 320, 355  
 Slakter, J. S., 191  
 Smiddy, W. E., 232  
 Smith, R., 364  
 Snyder, W. B., 43  
 Soike, K. F., 261  
 Sorenson, J. A., 191  
 Sparrow, J. R., 134, 370  
 Stergiu, P., 364  
 Sternberg, P., Jr., S60

**T**

Tallada, N., S55  
 Tan, M., 359  
 Taren, D., 305

Tecklenborg, H., 29  
Thierfelder, S., S28  
Thompson, J. T., 273  
Tognon, M. S., 245  
Tornambe, P. E., 305  
Traboulsi, E. I., 35  
Trabucchi, G., S80  
Treister, G., S23  
Turrini, B., 245

Vander, J. F., 172  
Van Newkirk, M., 242  
Vinals, A. F., 370  
Vinciguerra, P., S40

Ward, T., S64  
Wendel, R. T., 289

Werner, J. C., 359  
Whitcup, S. M., 331  
Wiedemann, P., S51  
Williams, G. A., S64  
Wolff, S. M., 254

Yamamoto, T., 59  
Yamashita, H., 59

Yannuzzi, L. A., 191  
Yap, E.-Y., 315

Zegarra, H., 3  
Zenoni, S., S40

# Subject Index to Volume 12

## A

### Abstracts

- causes of failure after initial vitreoretinal surgery for severe PVR, 71
- class II histocompatibility antigen expression by cellular components of vitreous and subretinal fluid in PVR, 72
- extensive peripheral retinectomy combined with posterior 360 degrees retinotomy for retinal reattachment in advanced PVR, 71
- factors prognostic of visual outcome in patients with subretinal hemorrhage, 174
- fibrin directs early retinal damage after experimental subretinal hemorrhage, 175
- immunochemical quantitative analysis of protein pattern in physiologic and pathologic vitreous, 72
- long-term inhibition of cellular proliferation by immunotoxins, 71
- management of traumatic hemorrhagic retinal detachment with pars plana vitrectomy, 176
- methods, statistical features, and baseline results of a standardized, multicentered ophthalmologic surgical trial: the Silicone Study, 72
- retinal break type and proliferative vitreoretinopathy in nontraumatic retinal detachment, 71
- retinal detachment and massive vitreoretinal proliferation, 70
- RPE-mediated collagen gel contraction: inhibition by cochicine and stimulation by TGF-beta, 71
- senile macular degeneration: surgical management and histopathologic features, 176
- subretinal hemorrhage, 174
- subretinal hemorrhage management by pars plana vitrectomy and internal drainage, 175
- subretinal hemorrhage with/without choroidal neovascularization in macula of patient with pathologic myopia, 174
- subretinal lavage in fresh hemorrhage in macular degeneration, 176
- surgical removal of massive subretinal hemorrhage associated with age-related macular degeneration, 176
- tissue plasminogen activating factor assisted removal of subretinal hemorrhage, 177
- tissue plasminogen activator treatment of experimental subretinal hemorrhage, 175
- updated classification of retinal detachment with PVR, 73
- visual acuity and binocular vision following surgery of extreme retinal detachment, 70

**Actinobacillus actinomycetemcomitans, endocarditis, infective embolic choroidopathy and subretinal neovascularization in, 108**

**Acute frosted retinal periphlebitis, cytomegalovirus retinitis and, 245**

**Age**

- peripheral retinal degeneration and, 12
- retinoblastoma and, 320

**AIDS (acquired immune deficiency syndrome)**

- cytomegalovirus retinitis, acute frosted retinal periphlebitis and, 245

### Pneumocystis carinii and Mycobacterium avium-cellulare infection of choroid in, 331

### Albinism, oculocutaneous, foveal hypoplasia in, 254

### American Academy of Ophthalmology

#### Diabetic Retinopathy slide script, 285

#### Ophthalmic Medical Assisting: An Independent Study Course, 184

### Amikacin, in endophthalmitis, adjunctive corticosteroid therapy, 336

### Amphotericin B

- intravitreal and subconjunctival injections, for *Aspergillus terreus* endophthalmitis, 341

- intravitreal dexamethasone plus, in exogenous fungal endophthalmitis (rabbit), 46

### Amyloidosis, vitreous, 251

### Angiography. *See* Fluorescein angiography; Indocyanine green angiography

### Angioid streaks

- peripapillary subretinal neovascularization and, 147

- subretinal neovascularization and, in *pseudoxanthoma elasticum*, 315

### Aniridia, artificial iris diaphragm and silicone oil surgery, S90

### Antimicrobial agents

- in endophthalmitis, adjunctive corticosteroid therapy, 336

- systemic prophylaxis, in penetrating ocular injuries (rabbit), S3

### Argon green laser

- chorioretinal adhesion (rabbit), S80

- photocoagulation effects on retinochoroidal tissues (rabbit), 265

### Arnall Patz Medal for Excellence in Retinal Vascular Disease, 87

### Artificial iris, S90

### *Aspergillus terreus*, endogenous endophthalmitis and, management with intravitreal and subconjunctival amphotericin B alone, 341

### Axial length of eye, peripheral retinal changes and, 12

## B

### Bietti's dystrophy, 18

### Big blind spot syndrome, 3

### Biomicroscopy, pseudo-operculum casting yellow shadow on retina, 242

### Birdshot retinchoroidopathy, peripapillary subretinal neovascularization and, 147

### Blood, silicone oil emulsification and, quantitative in vitro model, S23

### Blood-aqueous barrier, breakdown, intraocular gas/liquid silicone and (rabbit), 370

### Book reviews

*Color Vision Deficiencies: Proceedings of the Symposium of the International Research Group on Color Vision Deficiencies, Tokyo, 1990*, Yasuo Ohta (ed), 77

*Eye in Infancy*, Sherwin J. Isenberg (ed), 180

Laser Surgery of the Posterior Segment, Steven M. Bloom, Alexander J. Brucker, 76

Neurology of Eye Movements (2nd Ed.), R. John Leigh, David S. Zee, 76

Ophthalmology in Medicine: An Illustrated Clinical Guide, David Abrams, 180

Ophthalmology Monographs: I. Retinal Detachment, George F. Hilton, Edward B. McLean, Elaine L. Chuang, 282

Principles of Medical Genetics, Thomas D. Gelehrter, Francis S. Collins (eds), 77

Retinal and Choroidal Manifestations of Systemic Disease, Lawrence J. Singerman, Lee M. Jampol (eds), 282

Susceptible Visual Apparatus, John Marshall (ed). Volume 16 of Vision and Visual Dysfunction, John Cronly-Dillon (series ed), 283

Bread crumb-flecked retinopathy, 21

Buphthalmos, retinal detachment in, surgical management, S51

## C

Candida albicans, endophthalmitis, intravitreal dexamethasone plus amphotericin B in (rabbit), 46

Cefazolin, systemic prophylaxis, in penetrating ocular injury (rabbit), S3

Cell culture, heparin effects on cultured cells, S71

Central serous chorioretinopathy, laser treatment of eccentric leaks in, 96

Cerclage, prophylactic, late retinal redetachment and, 224

Chorioretinopathy, central serous, laser treatment of eccentric leaks in, 96

Choroid

- circulation, digital indocyanine green videoangiography, 191
- coloboma. *See* Coloboma
- indocyanine green angiography. *See* Indocyanine green angiography
- melanoma, peripapillary subretinal neovascularization and, 147
- neovascular membranes. *See* Neovascularization, choroidal nevi, peripapillary subretinal neovascularization and, 147
- osteoma, peripapillary subretinal neovascularization and, 147
- rupture, traumatic, peripapillary subretinal neovascularization and, 147
- septic embolism, acute bacterial endocarditis and, subretinal neovascularization in, 108

Choroiditis

- coinfection with *Pneumocystis carinii* and *Mycobacterium avium-intracellular*, 331
- serpiginous, peripapillary subretinal neovascularization and, 147

Choroidopathy, infective embolic, acute bacterial endocarditis and, subretinal neovascularization in, 108

Ciliary artery(ies), posterior, anatomic distribution, 367

Clindamycin, in endophthalmitis, adjunctive corticosteroid therapy, 336

Collagen, heparin effects on, S71

Coloboma

- choroidal, retinal detachment in, surgical treatment, 237
- retinochoroidal, peripapillary subretinal neovascularization and, 147

Color fluorescein angiography, intraoperative (letter), 281

Commotio retinae, histopathology, 24

Computers

- digital overlay technique of retinal image analysis in treatment of subretinal neovascularization, 118

three-dimensional mapping of retina, 273

Congo red staining, amyloidosis of vitreous, 251

Cornea, crystalline deposits, 18

Corneal dystrophy, silicone oil in aniridial eyes and, artificial iris diaphragm for, S90

Corticosteroids, adjunctive intravitreal therapy, in microbial endophthalmitis, 336

Cryotherapy

- in retinoblastoma, misconceptions and techniques, 320
- for threshold retinopathy of prematurity, S60

Crystalline lens, dislocated, retinal detachment and, intravitreal perfluorocarbon liquids in management of, 299

Crystalline retinopathy, 18

Cytomegalovirus retinitis, acute frosty retinal peripherebitis and, 245

Cytopathology, intraocular large cell lymphoma, S64

## D

Dark adaptation, retinal light damage and (mice), 59

Davis, Matthew D., Arnall Patz Medal for Excellence in Retinal Vascular Disease, 87

Degenerative disorders

- fundus lesions, differential diagnosis, 67
- peripapillary subretinal neovascularization and, 147

Dexamethasone, adjunctive intravitreal therapy

- in exogenous fungal endophthalmitis (rabbit), 46
- in microbial endophthalmitis, 336

Diabetic retinopathy, proliferative, silicone oil tamponade, timing and safe removal of silicone oil, S11

Diathermy, method for induction of posterior vitreous detachment during vitrectomy, 172

Differential diagnosis, dots, spots, flecks, and specks of fundus, 67

Digital overlay, retinal image analysis in treatment of subretinal neovascularization, 118

Diode laser, chorioretinal adhesion (rabbit), S80

Drainage, of subretinal fluid, in retinal detachment surgery, 113

Drug abuse, intravenous, *Aspergillus*-induced endophthalmitis and, 341

Drusen

- differential diagnosis, 67
- peripapillary subretinal neovascularization and, 147

## E

Editorial

- choroidal angiography today and tomorrow, 189
- indocyanine green angiography, 187

Education

- Diabetic Retinopathy slide script, 285
- low vision books and pamphlets, 285
- Ophthalmic Medical Assisting: An Independent Study Course, 184

Electron microscopy

- foveal hypoplasia in complete oculocutaneous albinism, 254
- idiopathic macular pucker, 232
- intraretinal vacuoles after intravitreal injection of silicone oil, S17
- pars plana vitrectomy and gas tamponade treatment of bilateral macular holes, 289
- primary nonfamilial amyloidosis of vitreous, 251
- subretinal effects of perfluorocarbon liquids (rabbit), S33

Embolism, septic. *See* Septic embolism

Emulsification, silicone oil  
quantitative in vitro model, S23  
viscosity and, S28

Endocarditis, acute bacterial, infective embolic choroidopathy and subretinal neovascularization and, 108

Endophthalmitis  
Aspergillus terreus, management with intravitreal and subconjunctival amphotericin B alone, 341  
bacterial, adjunctive intravitreal corticosteroids in, 336  
C. albicans, intravitreal dexamethasone plus amphotericin B in (rabbit), 46  
fungal  
adjunctive intravitreal corticosteroids in, 336  
management with intravitreal and subconjunctival amphotericin B alone, 341  
posttraumatic, systemic antibiotic prophylaxis (rabbit), S3

Energy-dispersive x-ray analysis, intraretinal penetration of silicone oil after intravitreal injection, S17

Enucleation, in retinoblastoma, misconceptions and techniques, 320

Environmental temperature, operating room, heat-exhausting surgical equipment and (letter), 74

Epiretinal membranes  
idiopathic, clinicopathologic study, 232  
proliferative activity, monoclonal antibody Ki-67 study, 52

Epithelial downgrowth, preretinal membranes with traction retinal detachment, 248

Epithelium, surface, preretinal proliferation with tractional retinal detachment, 248

**F**

Familial adenomatous polyposis, pigmented fundus lesions in, 35

Fibrin, postvitrectomy formation  
heparin and, S71  
tissue plasminogen activator in, S75

Flecked retina, 21

Fluorescein angiography  
anterior and posterior segment neovascularization in atypical parafoveal telangiectasia, 351  
digital overlay technique of retinal image analysis in treatment of subretinal neovascularization, 118

exudative retinal vascular lesions in Klippel-Trenaunay-Weber syndrome, 355

laser treatment of eccentric leaks in central serous chorioretinopathy, 96

Fluorophotometry, blood-aqueous barrier integrity after vitreous replacement with perfluoropropane gas and liquid silicone (rabbit), 370

Fluorosilicone, effect of simultaneous internal tamponade on fluid compartmentalization and its relation to cell proliferation, S40

Foreign body, intraocular, magnetic, comparison of intraocular magnets, 270

Fovea  
exudative retinal vascular lesions in Klippel-Trenaunay-Weber syndrome, 355  
hypoplasia, in oculocutaneous albinism, 254  
internal limiting membrane defects, after vitrectomy and gas tamponade for bilateral macular holes, 289

Fuchs spot, in myopia, 127

Fundus  
dots, spots, flecks, and specks, differential diagnosis, 67

exudative retinal vascular lesions in Klippel-Trenaunay-Weber syndrome, 355

Fundus photography  
digital overlay technique of retinal image analysis in treatment of subretinal neovascularization, 118  
exudative retinal vascular lesions in Klippel-Trenaunay-Weber syndrome, 355

**G**

Gardner's syndrome, pigmented fundus lesions in, 35

Gas gangrene, panophthalmitis, following fire cracker injury (letter), 74

Gas tamponade  
blood-aqueous barrier integrity and (rabbit), 370  
longevity of expanding gases in vitrectomized eyes (rabbit), 364  
in pars plana vitrectomy, for bilateral macular holes, 289  
perfluoropropane disappearance after vitrectomy, 359  
for retinal detachment in choroidal coloboma, 237

Gastrointestinal hemorrhage, massive, in pseudoxanthoma elasticum, optic nerve infarction and, 315

Genetic counseling, in retinoblastoma, 320

Gentamicin  
in endophthalmitis, adjunctive corticosteroid therapy, 336  
systemic prophylaxis, in penetrating ocular injury (rabbit), S3

Glaser, Bert M., Award of Merit in Retina Research, 1

Glucoma, congenital, retinal detachment in, S51

Glycoconjugates, internal limiting membrane, 346

**H**

Hamartoma  
combined pigment epithelial and retinal, familial occurrence associated with neurofibromatosis 2, 103  
retinal pigment epithelium, 35

Hemorrhage  
gastrointestinal, in pseudoxanthoma elasticum, optic nerve infarction and, 315  
subretinal, abstracts, 174

Heparin, in vitreoretinal surgery, S71

Heredity disorders, fundus lesions, differential diagnosis, 67

Histopathology  
commotio retinae, 24  
foveal hypoplasia in complete oculocutaneous albinism, 254  
intraretinal penetration of silicone oil after intravitreal injection, S17  
optic disc melanoma, 29  
pathologic myopia, 127  
pigmented fundus lesions in familial adenomatous polyposis, 35  
subretinal membranes in proliferative vitreoretinopathy, S55  
subretinal perfluorocarbon liquids (rabbit), S33

Histoplasmosis, ocular  
choroidal neovascularization in, laser photoocoagulation for, 90  
peripapillary subretinal neovascularization and, 147

Hydrogen peroxide, production, in retinal light damage (mice), 59

**I**

Immunohistochemistry, subretinal membranes in proliferative vitreoretinopathy, S55

Indocyanine green angiography  
choroidal angiography today and tomorrow, 189

digital indocyanine green videoangiography and choroidal neovascularization, 191

Editorial, 187

Infarction, optic nerve, in pseudoxanthoma elasticum, 315

Infection, opportunistic. *See* Opportunistic infection

Inflammation

- fundus lesions, differential diagnosis, 67
- silicone oil emulsification and, quantitative in vitro model, S23

Inflammatory disorders, peripapillary subretinal neovascularization and, 147

Inflammatory process, in microbial endophthalmitis, adjunctive corticosteroid therapy and, 336

Instrumentation

- anterior chamber stiletto knife, 285
- artificial iris diaphragm, S90
- autofocus fundus camera, 82
- digital standardized A-scan ultrasound system, 286
- 3-Dx Stereo Disc Photography System, 80
- halogen retinoscope with circular polarizing filter, 184
- heat-exhausting surgical equipment, operating room temperature and (letter), 74
- HOTV test slides for Optec 2000 Vision Tester, 185
- illuminated microforceps and microscissors, 81
- illuminated stand magnifiers for vision loss, 181
- infant scleral depressor (letter), 376
- intraocular electromagnet, 80
- intraocular magnet comparison, 270
- laser scanning tomography for early glaucoma diagnosis, 181
- low vision magnifier system, 182
- magnifying indirect stereo ophthalmoscope, 141
- Mainster High Magnification Laser Lens, 80
- multi-purpose magnifier, 183
- OPMI CS surgical microscope with Retroskop 2, 82
- pediatric vitrectomy instrumentation set, 185
- pediatric vitrectomy lens set, 182
- pupillary dilatation device, S87
- retinal infusion cannulas, 83
- scleral buckling materials, 286
- stereoviewer for film strips (letter), 178, 376
- surgical microscope suspension system, 181
- Tono-pen XL tonometer, 183
- transformer for Mentor binocular indirect ophthalmoscopes, 184
- wet-field coagulator with bipolar capabilities, 183
- Xenon Illumination System, 79
- zoom photo slit lamp offering programmed exposure, corneal photography, top optics, 81

Internal limiting membrane

- defects, after vitrectomy and gas tamponade for bilateral macular holes, 289
- hemorrhagic detachment after penetrating ocular injury, 346

Iris

- artificial iris diaphragm and silicone oil surgery, S90
- neovascularization, in atypical parafoveal telangiectasis, 351

Ischemia, retinal, in atypical parafoveal telangiectasis, 351

**J**

Juvenile macular pucker, clinical and ultrastructural features, 232

**K**

Keratomileusis, retinal detachment after, S46

Ki-67. *See* Monoclonal antibody Ki-67 study

Klippel-Trenaunay-Weber syndrome, unusual retinal and renal vascular lesions, 355

Krypton red laser, chorioretinal adhesion (rabbit), S80

**L**

Lacquer cracks, in myopia, 127

Large cell lymphoma, intraocular, S64

Laser photoagulation. *See also* specific lasers

- choroidal neovascularization, digital indocyanine green videoangiography in, 191
- for choroidal neovascularization, 90
- eccentric leaks in central serous chorioretinopathy, 90
- peripapillary subretinal neovascularization after, 147
- for retinal detachment in choroidal coloboma, 237
- in retinoblastoma, misconceptions and techniques, 320
- retinochoroidal effects of argon green vs. pulsed frequency-doubled Nd-YAG laser (rabbit), 265
- scatter macular photoagulation for subfoveal neovascularization in age-related macular degeneration, 305
- for subretinal neovascularization, digital overlay technique of retinal image analysis in, 118

Laser retinopexy, diode laser-induced chorioretinal adhesion (rabbit), S80

Lectin histochemistry, hemorrhagic detachment of internal limiting membrane, 346

Lens of eye, dislocated, retinal detachment and, intravitreal perfluorocarbon liquids in management of, 299

Letters to the editor

- gas gangrene panophthalmitis following fire cracker injury, 74
- infant scleral depressor, 376
- intraoperative color fluorescein angiography technique, 281
- operating room temperature and heat-exhausting surgical equipment, 74
- stereoviewer for film strips, 178, 376

Light microscopy

- foveal hypoplasia in complete oculocutaneous albinism, 254
- intraretinal vacuoles after intravitreal injection of silicone oil, S17
- pars plana vitrectomy and gas tamponade treatment of bilateral macular holes, 289
- primary nonfamilial amyloidosis of vitreous, 251
- subretinal effects of perfluorocarbon liquids (rabbit), S33

Lipofuscin granules, retinal pigment epithelium, in oculocutaneous albinism, 254

Lymphoma, intraocular, S64

**M**

Macula, combined pigment epithelial and retinal hamartomas, familial occurrence in neurofibromatosis 2, 103

Macular degeneration, age-related

- digital indocyanine green videoangiography, 191
- peripapillary subretinal neovascularization and, 147
- subfoveal choroidal neovascularization in, scatter macular photoagulation for, 305

Macular hole

- bilateral, clinicopathologic study after treatment with pars plana vitrectomy and gas tamponade, 289
- pseudo-operculum and, 242

Macular pucker, idiopathic, clinicopathologic study, 232

Magnets, intraocular, 270

Melanin, in oculocutaneous albinism, 254

Melanocytoma, optic disc, progression to malignant melanoma, 29

Melanoma

- choroidal, peripapillary subretinal neovascularization and, 147
- optic disc, 29

6-Methoxypurine arabinoside, intravitreal injection, retinal toxicity (rabbit), 261

Meyer-Schwickerath, Gerd, 88

Michels, Ronald G., Award of Merit in Retina Research, 1

Miosis, pupillary dilatation device in, S87

Models/modeling, quantitative *in vitro* model for silicone oil emulsification, S23

Monoclonal antibody Ki-67 study, proliferative activity in epiretinal membranes, 52

Morning glory disc syndrome, peripapillary subretinal neovascularization and, 147

Multiple evanescent white-dot syndrome, peripapillary subretinal neovascularization and, 147

Mycobacterium avium-intracellulare, choroiditis, coinfection with *Pneumocystis carinii*, 331

Mydriasis, pupillary dilatation device in, S87

Myopia

- axial, peripheral retinal changes and, 12
- degenerative
  - histopathologic findings, 127
  - peripapillary subretinal neovascularization and, 147
  - pathologic, histopathologic findings, 127
- refractive surgery for, retinal detachment after, S46

**N**

Needle biopsy, in retinoblastoma, 320

Neodymium:YAG laser, pulsed frequency-doubled, photocoagulation effects on retinchoroidal tissues (rabbit), 265

Neovascularization

- choroidal. *See also* Neovascularization, subretinal
  - digital indocyanine green videoangiography, 191
  - intraoperative color fluorescein angiography in (letter), 281
  - in ocular histoplasmosis scars, 90
- iris, in atypical parafoveal telangiectasis, 351
- occult, digital indocyanine green videoangiography in, 191
- recurrent, digital indocyanine green videoangiography in, 191
- retinal, in atypical parafoveal telangiectasis, 351
- subretinal
  - infective embolic choroidopathy and, 108
  - peripapillary, 147
  - in pseudoxanthoma elasticum, 315
  - treatment, digital overlay technique of retinal image analysis in, 118

Neurofibromatosis, type 2, combined pigment epithelial and retinal hamartomas in, 103

Nevus(i), choroidal, peripapillary subretinal neovascularization and, 147

**O**

Occlusion/obstruction, central retinal vein, in young adults, 3

Ophthalmoscopy, indirect, magnifying indirect stereo ophthalmoscope, 141

Opportunistic infection

- Cytomegalovirus* retinitis, 245
- Pneumocystis carinii* and *Mycobacterium avium-intracellulare* infection of choroid, 331

Optic disc

- melanocytoma, progression to malignant melanoma, 29
- phlebitis, 3
- vasculitis, 3

Optic nerve

- drusen, peripapillary subretinal neovascularization and, 147
- infarction, visual loss in pseudoxanthoma elasticum and, 315
- pits, peripapillary subretinal neovascularization and, 147

Optic nerve head, lesions, peripapillary subretinal neovascularization and, 147

Orbital cellulitis, retinoblastoma and, 320

Osteoma, choroidal, peripapillary subretinal neovascularization and, 147

Oxidative mechanism, in retinal light damage, in SMA mice, 59

**P**

Panophthalmitis, gas gangrene, following fire cracker injury (letter), 74

Papillophlebitis, in young adults, 3

Paul Henkind Memorial Lecture, misconceptions and techniques in management of retinoblastoma, 320

Perfluorocarbon gas, longevity in vitrectomized eyes (rabbit), 364

Perfluorocarbon liquids. *See also* Vitreous substitutes

- subretinal effects (rabbit), S33
- tamponade
  - in giant retinal tears, S7
  - management of dislocated crystalline lens and retinal detachment, 299

Perfluorodecalin tamponade, in giant retinal tears (rabbit), S7

Perfluoropropane, decay rate and half life after vitrectomy, 359

Periphlebitis, acute frosted retinal periphlebitis, *Cytomegalovirus* retinitis and, 245

Phlebitis, optic disc, 3

Photocoagulation. *See also* Laser photocoagulation

- panretinal, in atypical parafoveal telangiectasis with anterior and posterior segment neovascularization, 351

Photoreceptors, after vitrectomy and gas tamponade for bilateral macular holes, 289

Pigment epithelial detachment, digital indocyanine green videoangiography in, 191

Pneumatic retinopexy, scleral buckle vs., preference of vitreoretinal surgeons, 43

*Pneumocystis carinii*, choroiditis, coinfection with *Mycobacterium avium-intracellulare*, 331

Polyclonal markers, in subretinal membranes in proliferative vitreoretinopathy, S55

Polydimethylsiloxane, effect of simultaneous internal tamponade on fluid compartmentalization and its relation to cell proliferation, S40

Polymethylsiloxanes. *See* Silicone oil

Proliferative index, epiretinal membranes, monoclonal antibody Ki-67 study, 52

Proliferative vitreoretinopathy

- abstracts, 70
- aniridia and, artificial iris diaphragm and silicone oil surgery in, S90

combined use of high and low specific gravity liquid vitreous substitutes and (rabbit), 134  
 heparin in, S71  
 postoperative, effect of simultaneous internal tamponade on fluid compartmentalization, S40  
 preretinal proliferation of surface epithelium with tractional retinal detachment, 248  
 proliferative activity in epiretinal membranes, monoclonal antibody Ki-67 study, 52  
 retinal redetachment and, after segmental nondrainage (minimized) surgery, 224  
 silicone oil tamponade  
     intraretinal penetration of silicone oil after intravitreal injection, S17  
     timing and safe removal of silicone oil, S11  
 subretinal membranes in, S55  
 Pseudo-operculum, yellow shadow on retina and, 242  
 Pseudotumor cerebri, peripapillary subretinal neovascularization and, 147  
 Pseudoxanthoma elasticum, visual loss in, 315  
 Pupillary dilatation device, S87

## R

Radial keratotomy, retinal detachment after, S46  
 Radiotherapy, in retinoblastoma, misconceptions and techniques, 320  
 Refractive surgery, retinal detachment after, S46  
 Reticulum cell sarcoma, intraocular. *See* Large cell lymphoma, intraocular  
 Retina  
     crystalline deposits, 18  
     function, internal limiting membrane loss and, 346  
     light-induced damage, hydrogen peroxide production and superoxide dismutase activity (mice), 59  
     mapping, two-dimensional vs. three-dimensional, 273  
     neovascularization, in atypical parafoveal telangiectasis, 351  
     photocoagulation effects of argon green vs. pulsed frequency-doubled Nd-YAG laser (rabbit), 265  
     toxicity of 6-methoxypurine arabinoside (rabbit), 261  
 Retinal cartography, two-dimensional vs. three-dimensional mapping of retina, 273  
 Retinal degeneration  
     in myopia, 127  
     peripheral, axial myopia and, 12  
 Retinal detachment  
     after refractive surgery for myopia, S46  
     in choroidal coloboma, surgical treatment, 237  
     combined use of high and low specific gravity liquid vitreous substitutes and (rabbit), 134  
     in congenital glaucoma, S51  
     dislocated crystallin lens and, intravitreal perfluorocarbon liquids in management of, 299  
     in myopia, 127  
     pars plana vitrectomy, method for induction of posterior vitreous detachment during, 172  
     pneumatic retinopexy vs. scleral buckle for, preference of vitreoretinal surgeons, 43  
     reattachment rate and frequency of subretinal fluid drainage in, 113  
     segmental buckling and nondrainage surgery for, 224  
     silicone oil tamponade, timing and safe removal of silicone oil, S11  
     subretinal membranes in proliferative vitreoretinopathy and, S55

traction  
 heparin in, S71  
 preretinal proliferation of surface epithelium and, 248  
 Retinal drawing. *See* Retinal cartography  
 Retinal pigment epithelial cells, in subretinal membranes in proliferative vitreoretinopathy, S55  
 Retinal pigment epithelium  
     central serous chorioretinopathy, 90  
     congenital hypertrophy, 35  
     hamartoma, 35  
 Retinal tear, giant, perfluorodecalin and silicone oil tamponade in (rabbit), S7  
 Retinal vasculitis, benign, 3  
 Retinal vein, central occlusion, in young adults, 3  
 Retinitis  
     cytomegalovirus, 245  
     varicella-zoster virus, intravitreal 6-methoxypurine arabinoside in (rabbit), 261  
 Retinoblastoma, management, misconceptions and techniques, 320  
 Retinopathy  
     bread crumb-flecked, 21  
     crystalline, 18  
     traumatic, 24  
 Retinopathy of prematurity  
     threshold, cryotherapy, S60

## S

Sarcoidosis, peripapillary subretinal neovascularization and, 147  
 Scleral buckle  
     pneumatic retinopexy vs., preference of vitreoretinal surgeons, 43  
     for retinal detachment in choroidal coloboma, 237  
     segmental, nondrainage surgery plus, for retinal detachment, 224  
 Scleral depressor, infant (letter), 376  
 Scotoma, pseudo-operculum and, 242  
 Septic embolism, choroid, acute bacterial endocarditis and, subretinal neovascularization in, 108  
 Silicone liquid. *See* Vitreous substitutes  
 Silicone oil. *See also* Vitreous substitutes  
     emulsification  
         quantitative in vitro model, S23  
         viscosity and, S28  
     in vitro stability, viscosity and, S28  
     tamponade  
         in aniridial eyes, artificial iris diaphragm for, S90  
         compartmentalization and postoperative proliferative vitreoretinopathy, S40  
         in giant retinal tears (rabbit), S7  
         intraretinal penetration of silicone oil after intravitreal injection, S17  
         timing and safe removal of silicone oil, S11  
     viscosity, in vitro stability and, S28  
 Staphylococcus aureus, endocarditis, infective embolic choroidopathy and subretinal neovascularization in, 108  
 Staphyloma  
     in myopia, 127  
     in neurofibromatosis 2, 103  
 Stereoscopy, magnifying indirect stereo ophthalmoscope, 141  
 Stereoviewer for film strips (letter), 178, 376  
 Subretinal fluid  
     in central serous chorioretinopathy, 90

delayed absorption, after segmental nondrainage surgery for retinal detachment, 224

drainage in retinal detachment surgery, 113

Subretinal membranes, in proliferative vitreoretinopathy, S55

Superoxide dismutase, in retinal light damage (mice), 59

Surgical techniques, method for induction of posterior vitreous detachment during vitrectomy, 172

#### T

Telangiectasia, atypical parafoveal, anterior and posterior segment neovascularization in, 351

Tilted disc syndrome, peripapillary subretinal neovascularization and, 147

Tissue plasminogen activator, for postvitrectomy fibrinolysis, S75

Trauma, ocular

fundus lesions, differential diagnosis, 67

penetrating

artificial iris diaphragm and silicone oil surgery in, S90

hemorrhagic detachment of internal limiting membrane and, 346

systemic antibiotic prophylaxis in (rabbit), S3

Traumatic retinopathy, histopathology, 24

Tumors, fundus lesions, differential diagnosis, 67

#### U

Ultrasonography, peripheral retinal changes and axial myopia, 12

Uveitis, peripapillary subretinal neovascularization and, 147

#### V

Vancomycin, in endophthalmitis, adjunctive corticosteroid therapy, 336

Varicella-zoster virus, retinitis, intravitreal 6-methoxypurine arabinoside in (rabbit), 261

Vascular occlusion. *See* Occlusion/obstruction

Vasculitis, optic disc, 3

Videoangiography, digital indocyanine green videoangiography, 191

Visual acuity, after scatter macular photocoagulation for subfoveal neovascularization in age-related macular degeneration, 305

Visual loss, in pseudoxanthoma elasticum, 315

Vitrectomy

artificial iris diaphragm and silicone oil surgery, S90

in *Aspergillus terreus* endophthalmitis, 341

diagnostic

in intraocular large cell lymphoma, S64

in retinoblastoma, 320

fibrin formation after

heparin and, S71

tissue plasminogen activator in, S75

in idiopathic macular pucker, 232

longevity of intraocular gases after (rabbit), 364

method for induction of posterior vitreous detachment during, 172

pars plana

for amyloidosis of vitreous, 251

in bilateral macular holes, clinicopathologic study, 289

in giant retinal tear, perfluorodecalin and silicone oil tamponade

in (rabbit), S7

pupillary dilatation device in, S87

perfluoropropane disappearance after, 359

for retinal detachment in choroidal coloboma, 237

Vitreoretinal surgery

heparin in, S71

silicone oil tamponade

effect of simultaneous internal tamponade on fluid compartmentalization and its relation to cell proliferation, S40

intraretinal penetration of silicone oil, S17

in vitro stability of silicone oil, S28

quantitative in vitro model for silicone oil emulsification, S23

timing and safe removal of silicone oil, S11

Vitreous

amyloidosis, 251

antibiotic levels, after systemic administration (rabbit), S3

Vitreous detachment, posterior

creation during vitrectomy, 172

in myopia, 127

Vitreous opacities, amyloidosis, 251

Vitreous separation, posterior, pseudo-operculum and, 242

Vitreous Society, preference for pneumatic retinopexy vs. scleral buckle, 43

Vitreous substitutes

blood-aqueous barrier integrity after vitreous replacement with liquid silicone (rabbit), 370

combined use of high and low specific gravity liquid vitreous substitutes (rabbit), 134

**STATEMENT OF OWNERSHIP, MANAGEMENT AND CIRCULATION** (Act of August 12, 1970: Section 3685, Title 39 United States Code)  
 Dating of Filing—October 1, 1992. Title of Publication—Retina: The Journal of Retinal and Vitreous Diseases; Frequency of Issue—Quarterly; Annual Subscription Price—\$89.00; Location of Known Office of Publication—100 Insurance Way, Suite 114, Hagerstown, MD 21740; Location of the Headquarters or General Business Offices of the Publisher—227 East Washington Square, Philadelphia, PA 19106; Publisher—J. B. Lippincott Company, 227 East Washington Square, Philadelphia, PA 19106; Editor—Alexander J. Brucker, MD, P.O. Box 67, Gladwyne, PA 19035; Managing Editor—Lynda Krumpholz, 227 East Washington Square, Philadelphia, PA 19106; Owner—Ophthalmic Communications Society, Inc., P.O. Box 67, Gladwyne, PA 19035; Known Bondholders, Mortgagors, and other security holders owning or holding 1 percent or more of total amount of bonds, mortgages, or other securities—none. A. Total no. copies printed (*net press run*), average 3,275, actual 3,100; B. Paid circulation 1. Sales through dealers and carriers, street vendors and counter sales, average none, actual none; 2. Mail subscriptions, average 2,447, actual 2,487; C. Total paid circulation, average 2,447, actual 2,487; D. Free distribution by mail, carrier or other means. Samples complimentary, and other free copies, average, 318, actual 325; E. Total distribution (*sum of C and D*), average 2,675, actual 2,812; F. Copies not distributed 1. Office use, leftover, unaccounted, spoiled after printing, average, 510, actual 288; 2. Returns from news agents; none; G. Total (*sum of E & F—should equal net press runs shown in A*), average 3,275, actual 3,100. I certify that the statements made by me above are correct and complete. J. W. Lippincott, Vice President